The format of your final report is basically the same as your presentation format:

1. Abstract

2. Introduction

3. Observation

4. Hypothesis

5. Experimental designs and methods

6. Results

7. Discussion

8. References

1. Abstract: summarize your project in a single paragraph, make sure it flows. It includes (a) the topic sentence about why you study this project or question. (b) a few sentences about your observations and hypotheses; (c) what is you major finding (if you have the experimental results) or how you falsify or approve your hypotheses. (d) the significance or implication of this study (why your project is interesting or important).
2. Introduction: tell us why you are interested in studying in this animal species and/or this topic. How much do we know about this animal and this animal’s behavior previously (based on your literature search)? Or how much do we know about this specific topic in this animal (imprinting or aggression)?
3. Observation: show us your data from your observations; explain your data clearly so I can easily understand. You can attach a figure or table here to present your data. I’d love to see your quantified data in this section.
4. Hypothesis: List at least one hypothesis, based on your observations. The more hypotheses you proposed, the more convincing your results are. Make sure your hypothesis is inferred from your observations, and the hypothesis must be testable. I want to see your logical reasoning.
5. Experimental designs and methods: How do you design experiments to test your hypotheses. Make sure the experimental designs can really test your hypothesis, I want to see your logical reasoning.
6. Results: This section is optional; if you do have the results, write it down here and I’d love to see the quantified results, preferably a figure or table to illustrate your results. If you don’t have results to test your hypotheses, then you can omit this section.
7. Discussion: (1) discuss how your results (if you have any) may support or against your hypotheses; (2) if you don’t have the results, tell me under what kind of circumstances you would falsify or approve your hypotheses, I want to see your logical reasoning. (3) what is the implication of this study? Can it shed some light about scientific study of certain behaviors? Can it help us to better understand human’s behavior or health?
8. References: a format like this:

Liu W-C, Notteobohm F. Variable rate of singing and variable song duration are associated with high immediate early gene expression in two anterior forebrain song nuclei. *Proc Natl Acad Sci USA.* 2005;102:10724–729

How do I grade your report? The simple rule is make it focused and organized. I want to see your logical reasoning. Tell a simple story with good thought and quantified data.

I was impressed with your oral presentation yesterday, and I look forward to reading your final report.

Good luck!